



**PETRI** ***FLEX*** **7** SEVEN  
INSTRUCTION BOOK

# Outstanding Features of "PETRI FLEX 7"



- |                         |                               |
|-------------------------|-------------------------------|
| ① Film Advance Lever    | ⑥ Photo-cell                  |
| ② Film Exposure Counter | ⑦ Film Rewinding Crank        |
| ③ Shutter Speed Dial    | ⑧ CdS Electric Exposure Meter |
| ④ Accessory Shoe        | ⑨ Shutter Release Button      |
| ⑤ ASA Indication Ring   | ⑩ Selftimer Lever             |

## Built-in Fully-coupled CdS Meter

Just center the needle in the viewfinder to the indication, and you can get proper exposure EVERY TIME. This is because that your Petri Flex 7 camera is equipped with CdS Meter which fully coupled with Film Sensitiveness, Aperture and Shutter Speed simultaneously. This CdS Meter has vast coupled range(L.V. 4 ~ L.V.18 with ASA 100 film) and the measurement angle of meter is almost same as the one of standard lens, you can obtain the proper exposure from the very position of photographing the subject. Thus, the CdS Meter has versatile features which other types of meters have not.

## Fully-Automatic Diaphragm System

As you release the shutter button, the camera DOES the following actions Automatically and Instantly:

1. Sets the proper aperture value.
2. Pushes the mirror upwardly.
3. Advances shutter-screen to expose film.
4. Returns the mirror to original position.
5. Gives the lens back to fully-opened position.





- |                        |                            |
|------------------------|----------------------------|
| ⑪ Focusing Ring        | ⑭ Aperture Scale           |
| ⑫ Distance Scale       | ⑮ Auto-Manual Switch Ring  |
| ⑬ Depth of Field Scale | ⑯ Aperture Adjusting Lever |

### Super-Fast PETRI F 1.8 55mm Lens

The exceedingly fast F1.8 PETRI Lens of your Petri Flex 7 camera is made of highly-refractive Flint-glass and brings you the highest level of optical quality. Lens aberrations have been carefully corrected to insure reproduction of images, "just as see them" and a special lens amber-coating process assures you true color in all your color photography.

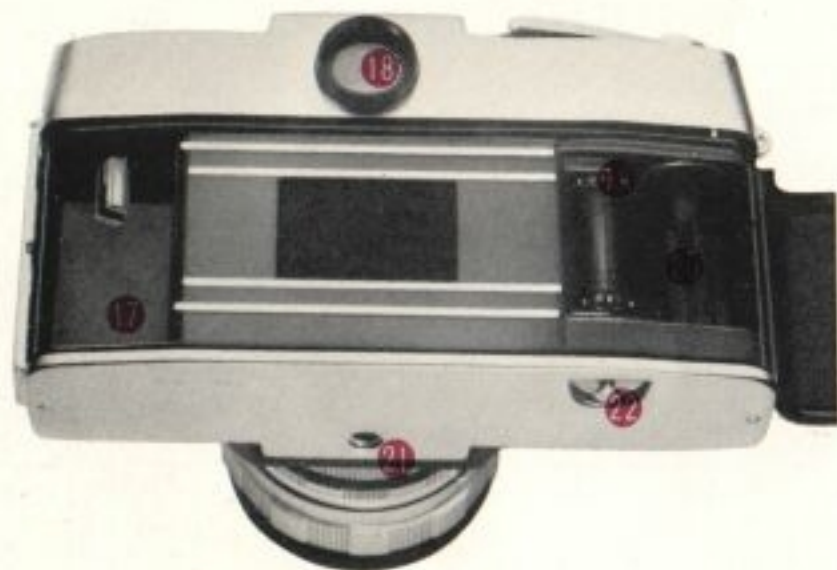
### Quality-engineered Shutter for High-speed Photography

Focal-plane shutter of Petri Flex 7 can be adjusted in the range of shutter speeds: B, 1,  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{8}$ ,  $\frac{1}{15}$ ,  $\frac{1}{30}$ ,  $\frac{1}{60}$ ,  $\frac{1}{125}$ ,  $\frac{1}{250}$ ,  $\frac{1}{500}$ ,  $\frac{1}{1000}$  sec. and you can photograph the subject in high-speed. Shutter Dial is the type of one-pivot non-rotation and selftimer is also built-in.

### Automatic Resetting Film-Counter

You do not have to worry about setting the film counter even when loading film as it automatically returns to its original position.





- ⑪ Cartridge Compartment
- ⑫ Eye-piece
- ⑬ Sprocket

- ⑭ Take-up Spool
- ⑮ Tripod Hole
- ⑯ Return Button

### Micro-Image Focusing System

In addition to Easy and Bright Viewing of Pentaprism Viewfinder, you can focus instantly when looking through micro-image which magnifies the image in focus. One of the advantages of micro-image focusing is that you can focus quickly even in the dark place.

### One-stroke Film-Advance Lever

With single stroke of film advance lever (180°), you can advance one frame of film and can set the shutter simultaneously. Only when you advance the lever, the CdS Meter is set ON.

### Other Features:

- Versatile Interchangeable Lenses.  
(Bayonet-mount)
- FP and X Synchronization Switch.
- Auto-Manual Switch.
- Crank-type Film Rewinding.
- Built in Selftimer.
- 30° declined shutter release button.
- Accessory Shoe.
- Large Shutter Speed Dial.

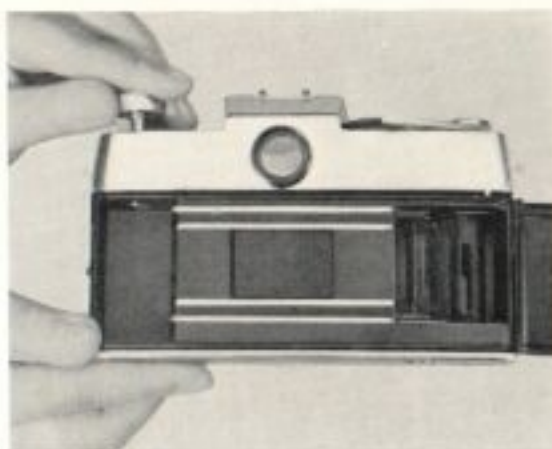


## FILM LOADING



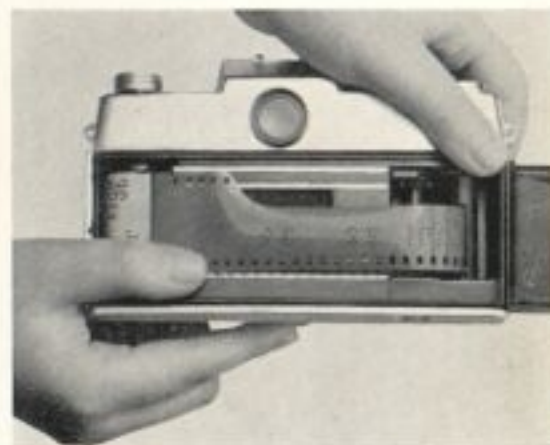
### Opening the back cover

Pull down the lever with your thumb-nail, and the cover will be opened automatically.



### Pull out the rewind crank

Pull it out to the end by picking up the knob to give enough room for film to be inserted into the compartment.



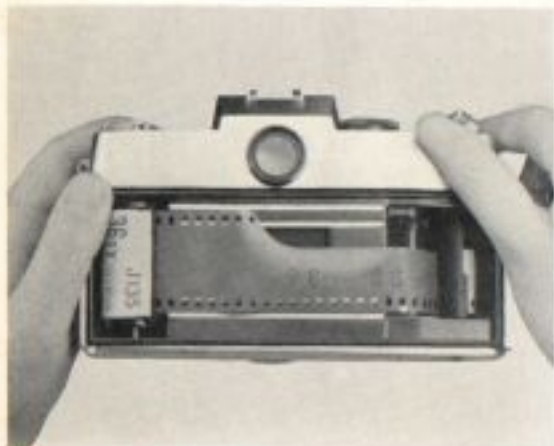
### Film loading (1)

Put the end of film into the slot of take-up spool. Place the perforation of film on the projection part in the slot. Put crank back to the original position.

### Notice in your Film Loading

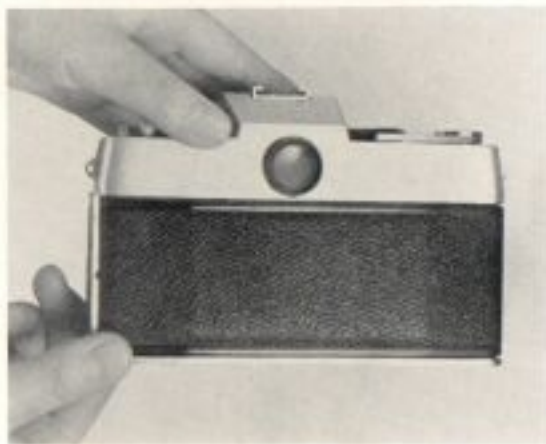
- Use 35mm standard film for your Petri Flex 7.
- Try to avoid the direct sun-light and select the shadowy place.
- You can adjust the position of slot by turning the spool with your finger.

- For your Automatic operation, set the marking, AUTO, of Auto-Manual Ring to the indication. And for Manual Operation, set the Manual-marking to the indication.



#### Film loading (2)

Wind the film on the spool by advancing the lever one-time. Be sure that the perforation and sprocket-teeth fit properly.



#### Closing the back cover

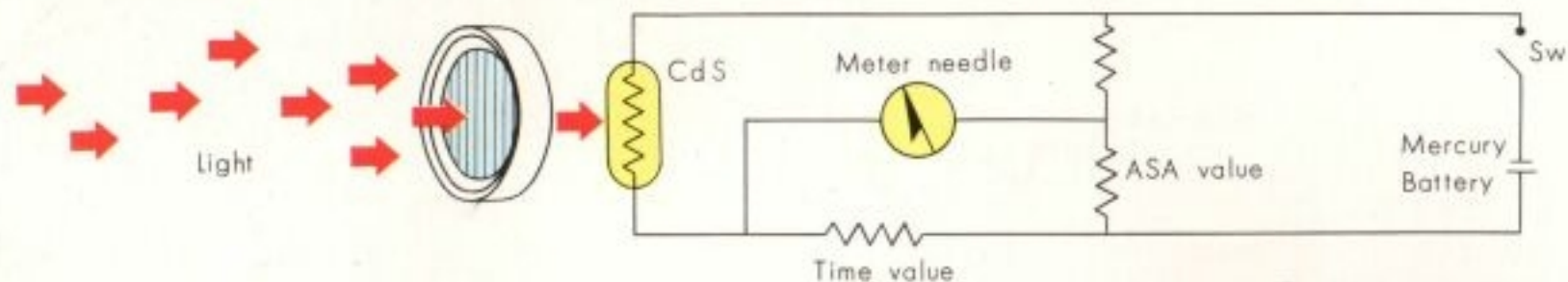
Close the back cover by just pushing the cover back to the original position.



#### For your 1st picture

Cock the camera by turning the film advance lever and press the shutter release button. Repeat this operation. Then turn film advance lever just before your picture-taking. Now you are ready to snap your first picture.

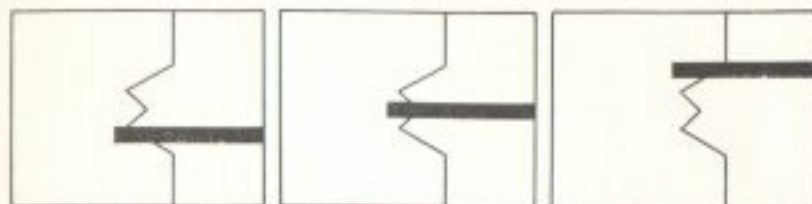
## HOW TO USE FULLY COUPLED Cds METER



1. After loading film, set the Film ASA Scale Ring to the number of film in use.
2. Set the shutter speed dial to the proper number according to the subject. (Use hi-speed for out-door and slow-speed for indoor)
3. Cock the advance lever to wind up one frame of film and set the CdS meter ON simultaneously.
4. Center the meter needle to the indication in the viewfinder by turning the Aperture Scale Ring while shifting the camera toward the subject. And the camera insures you the proper exposure EVERY TIME.



Meter Needle and Indication Mark  
can be seen in the view-finder.



Less

Right

Over



When replacing Mercury Battery, first unscrew the battery compartment and insert the new battery so as to put the marking(+) on the top. (See the picture)

### Exposure Meter Coupled Range Chart

L.V.4~L.V.18

(ASA 100)

F NO	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1.8	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{15}$	$\frac{1}{30}$	$\frac{1}{60}$	$\frac{1}{125}$	$\frac{1}{250}$	$\frac{1}{500}$	$\frac{1}{1000}$						
2.8	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{15}$	$\frac{1}{30}$	$\frac{1}{60}$	$\frac{1}{125}$	$\frac{1}{250}$	$\frac{1}{500}$	$\frac{1}{1000}$					
4	1	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{15}$	$\frac{1}{30}$	$\frac{1}{60}$	$\frac{1}{125}$	$\frac{1}{250}$	$\frac{1}{500}$	$\frac{1}{1000}$				
5.6		1	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{15}$	$\frac{1}{30}$	$\frac{1}{60}$	$\frac{1}{125}$	$\frac{1}{250}$	$\frac{1}{500}$	$\frac{1}{1000}$			
8			1	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{15}$	$\frac{1}{30}$	$\frac{1}{60}$	$\frac{1}{125}$	$\frac{1}{250}$	$\frac{1}{500}$	$\frac{1}{1000}$		
11				1	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{15}$	$\frac{1}{30}$	$\frac{1}{60}$	$\frac{1}{125}$	$\frac{1}{250}$	$\frac{1}{500}$	$\frac{1}{1000}$	
16					1	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{15}$	$\frac{1}{30}$	$\frac{1}{60}$	$\frac{1}{125}$	$\frac{1}{250}$	$\frac{1}{500}$	$\frac{1}{1000}$

### DEPTH OF FIELD TABLE

PETRI F 1.8 55 mm

(in feet)

F NO	1.8	(2)	2.8	4	5.6	8	11	16
2	1.927 2.033	1.924 2.026	1.954 2.037	1.949 2.053	1.929 2.076	1.900 2.110	1.868 2.151	1.810 2.234
2.5	2.462 2.538	2.459 2.542	2.463 2.550	2.419 2.586	2.388 2.628	2.344 2.679	2.294 2.745	2.205 2.885
3	2.946 3.052	2.940 3.052	2.917 3.087	2.883 3.227	2.838 3.288	2.774 3.365	2.703 3.507	2.580 3.583
4	3.903 4.101	3.893 4.113	3.851 4.160	3.791 4.333	3.713 4.534	3.603 4.495	3.485 4.693	3.277 5.132
5	4.848 5.161	4.833 5.174	4.767 5.255	4.675 5.374	4.559 5.539	4.389 5.808	4.214 6.145	3.911 6.928
6	5.781 6.236	5.738 6.263	5.657 6.378	5.538 6.600	5.396 6.796	5.137 7.212	4.897 7.744	4.555 8.020
8	7.614 8.428	7.573 8.478	7.418 8.686	7.188 9.018	6.915 9.489	6.526 10.333	6.141 11.472	5.511 14.549
12	11.145 13.999	11.087 13.119	10.719 13.627	10.250 14.470	9.586 15.767	8.946 16.219	8.234 22.118	7.131 37.829
30	29.122 37.188	28.677 36.215	27.066 42.920	25.491 55.900	18.712 75.475	16.115 86.702	13.924 101.000	11.018 100.000
∞	154.902 ∞	139.314 ∞	99.540 ∞	69.627 ∞	49.762 ∞	34.832 ∞	25.993 ∞	17.417 ∞

(in meter)

F NO	1.8	(2)	2.8	4	5.6	8	11	16
0.6	0.593 0.607	0.592 0.607	0.589 0.611	0.585 0.615	0.579 0.622	0.572 0.630	0.561 0.644	0.544 0.668
0.7	0.691 0.710	0.689 0.710	0.685 0.715	0.679 0.722	0.671 0.731	0.659 0.745	0.647 0.772	0.623 0.799
0.8	0.788 0.813	0.786 0.814	0.781 0.820	0.772 0.829	0.762 0.841	0.747 0.860	0.730 0.883	0.701 0.931
1.0	0.980 1.021	0.978 1.022	0.969 1.032	0.957 1.046	0.941 1.066	0.917 1.098	0.892 1.135	0.848 1.248
1.2	1.172 1.230	1.168 1.233	1.156 1.247	1.138 1.268	1.115 1.298	1.082 1.346	1.047 1.404	0.980 1.532
1.5	1.455 1.548	1.450 1.553	1.431 1.575	1.403 1.610	1.368 1.658	1.319 1.737	1.267 1.836	1.177 2.065
2.0	1.920 2.087	1.911 2.096	1.878 2.137	1.831 2.203	1.771 2.296	1.688 2.451	1.603 2.655	1.461 3.167
3.0	2.823 3.201	2.804 3.225	2.733 3.325	2.632 3.485	2.500 3.728	2.345 4.611	2.183 4.792	1.928 6.790
5.0	4.524 5.589	4.473 5.663	4.295 5.980	4.050 6.529	3.765 7.440	3.404 8.408	3.071 13.437	2.581 79.291
10.0	8.252 12.689	8.093 13.082	7.519 14.920	6.797 18.910	5.925 29.377	5.148 37.361	4.419 47.000	3.466 100.000
∞	47.192 ∞	42.444 ∞	30.321 ∞	21.222 ∞	15.160 ∞	10.611 ∞	7.918 ∞	5.305 ∞



Image is sharp-edges can  
be seen exactly ONLY  
when it is correctly focused

Zoom to see the depth of field of lens in use. You can set accurate image crop at full settings!

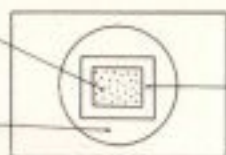


Image can be seen in correct focusing condition and to compare focusing with in micro-lenses to get standard in proper focus.

## HOW TO FOCUS

- As you turn the focusing ring while looking through the viewfinder, you will notice where you can see the subject clearly. And by looking through micro-image zone in the center of viewfinder, you can adjust your focusing of image very sharply.
- In order to observe the sharpness in focusing the background of subject, set the Auto-Manual Ring to Manual operation and look through the viewfinder with a small lens opening.

## Synchro-Flash Photography

In order to take Synchro-Flash Photography, connect the cord of flash-gun to Synchro-terminal of camera-body and select the proper shutter speed referring to the chart below.

$\frac{1}{1000}$	$\frac{1}{500}$	$\frac{1}{250}$	$\frac{1}{125}$	$\frac{1}{60}$	$\frac{1}{30}$	$\frac{1}{15}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	1
F P Class Bulb										
				F Class Bulb						
				M Class Bulb						
				Speed Light						

$\frac{1}{1000}$	$\frac{1}{500}$	$\frac{1}{250}$	$\frac{1}{125}$	$\frac{1}{60}$	$\frac{1}{30}$	$\frac{1}{15}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	1
F P Class Bulb										
				F Class Bulb						
				M Class Bulb						
				Speed Light						

## How to hold your camera

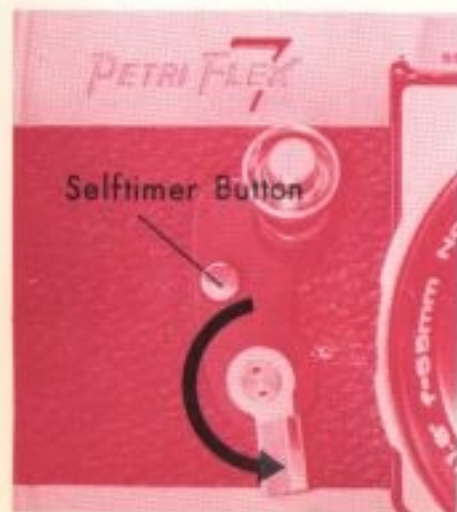
The point is for you to hold your camera steadily to avoid the blurring of your camera in your releasing the button.



Horizontal Position



Vertical Position



## How to use Selftimer

- Pull down the selftimer lever to the end (180°) in the direction of arrow-marking and release the selftimer button, then about 10 seconds after releasing it, the film will be exposed.
- You can set the selftimer lever in-between to shorten the release time and just release the button.

## FILM UNLOADING



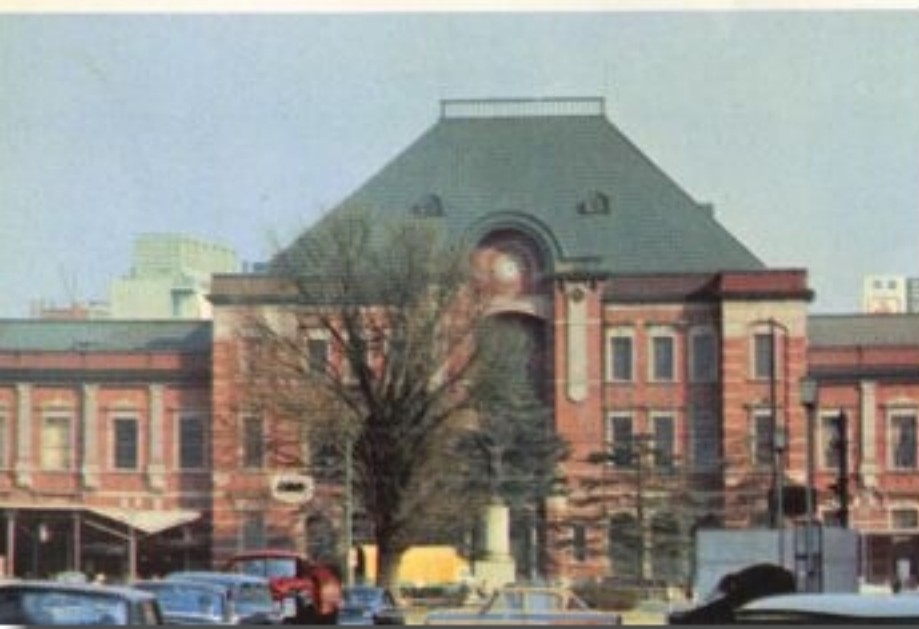
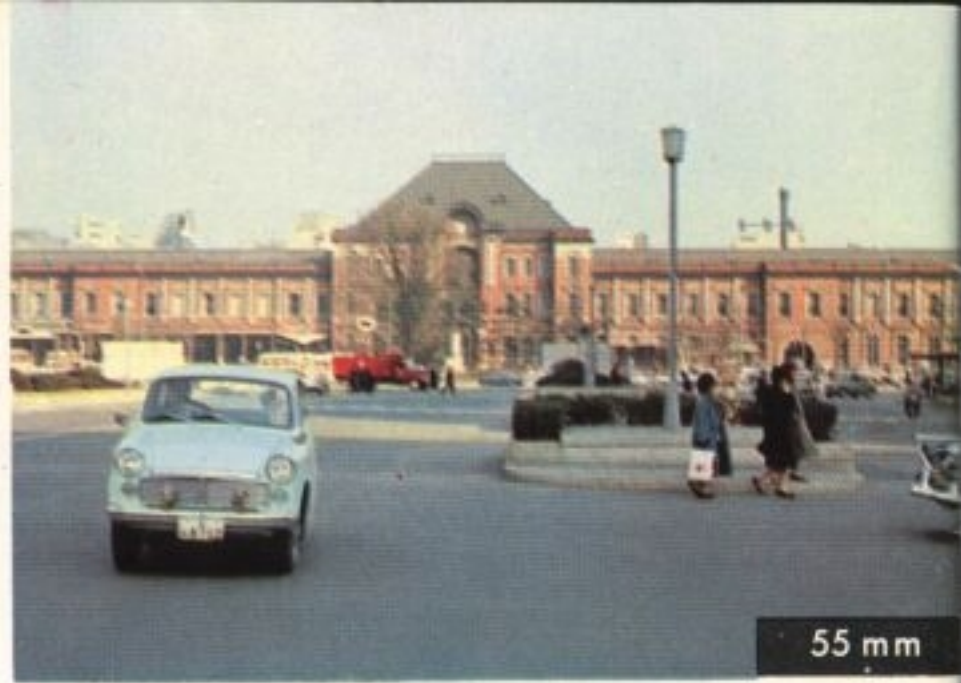
### Rewinding Film

Pull the rewind crank and turn it to the arrow direction while pressing the return button located at the bottom of camera-body. Be sure that the film is completely rewinded into the cartridge.



### Removing Film

When you feel no resistance, open the back-cover to remove the cartridge out of compartment.



## Versatile PETRI Interchangeable Lenses



The following Interchangeable Lenses are available:

PETRI F3.5 35mm Wide Angle Lens  
(Automatic Diaphragm)

PETRI F3.5 135mm Telephoto Lens  
(Automatic Diaphragm)

PETRI F3.5 180mm Telephoto Lens  
(Preset Diaphragm)

PETRI F4.5 200mm Telephoto Lens  
(Preset Diaphragm)

PETRI F5.5 300mm Telephoto Lens  
(Preset Diaphragm)

PETRI F6.3 400mm Telephoto Lens  
(Preset Diaphragm)

PETRI F8 500mm Telephoto Lens  
(Preset Diaphragm)

## PETRI LENS HOOD



PETRI LENS HOOD has been carefully designed to prevent stray light from entering the lens of your PETRI FLEX 7. Made of light alloy metal black-coated to prevent the reflecting light inside of hood. It fits tightly and securely over the lens rim.

## PETRI FILTERS



Y1, Y2 (Yellow) : For outdoor portrait and landscape

YA3 (Orange) R1 (Red) : For giving contrast to landscape photos

PO1 (Green) : For human portrait

UV (Transparent) : To absorb ultra-violet ray

For Color Photography:

W4 (Moisture adjusting), C4 (Cold adjusting), C8 (Flash-photography) & C12 (Flood-lamp Photography)

## PETRI BELLOWS & ANGLE FINDER



PETRI BELLOWS extends to full 5" with a 55mm focal length lens, subjects as small as 10mm X 15mm can easily be close-up. PETRI ANGLE FINDER can be mounted snugly on the frame of the view-finder window.



Sign of GOOD DESIGN

**PETRI Camera Company, Inc.**

1 Umejima-machi, Adachi-ku, Tokyo, Japan

PETRI CAMERA CORP. OF EUROPE

15, Anna Paulownastraat, The Hague, Holland

PETRI CAMERA CORP. OF OKINAWA

3, Nishi-Shinmachi, Naha, Okinawa

Petri cameras are sold in major cities all  
over the world.